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INFORMATION REPORT

CONFIDENTIAL

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COUNTRY Germany (Russian Zone)

DATE DISTR. 15 NOV 50

SUBJECT Research Tasks of the RFT Central
Laboratory for Signal and Special Equipment,
Berlin-Köpenick

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DATE OF INFO. 8 July 1950

SUPPLEMENT TO
REPORT NO. 25X1X

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1. Development and construction of a "Musa" installation, at a cost of DM 50,000, including materials.
2. Further development of the planned types of high-frequency heat generators, broadening of the field of use, production of special tools, at the expense of DM 500,000, including materials.
3. Development of a goniometer direction finder as requested by the Rostock Technical Office, because rotating loop direction-finding antennas operate and can be used only under very definite conditions which often cannot be met. Estimated cost is to be DM 45,000, including materials.
4. Improvements are to be made on the electrical equipment of lifeboat stations and work is to be done to modify the design of existing stations to correspond to that of the planned new lugger lifeboat station. The selector is to be improved with the aim of having as few mechanically working parts as possible, small loads for the tubes and use of tubes as electronic switches only. Cost of the project is to be DM 60,000, including materials.
5. Modification of all-wave receivers for radio rebroadcasting, with wide frequency band, low distortion factor, and the design of proper-sized terminations for radio transmitter systems. Work is further to include, e.g., the improvement of frequency constancy by research and greater accuracy in ceramic parts, such as spools, condensers, etc.
6. Developmental work is to be carried out up to the blueprint stage for a 100 W short-wave transmitter. Wave range is to be 20 to 100 m, for a. A₁ operation and b. for A₁, A₂, and A₃ operation. Estimated cost is DM 100,000, including material.
7. Research work and blueprints for a 200 W medium wave transmitter with a wave range of 400-3,000 m. Design is to be for a. A₁ operation and b. for A₁, A₂, and A₃ operation. Total cost for design and construction is estimated at DM 1000,000.

* A₁ = CW Operation; A₂ = modulated CW; A₃ = voice.

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